SS-3050

Revised for AEP and UK Model

CARBOCON SPEAKER SYSTEM

SPECIFICATIONS

Speaker System:	Three-way, acoustic suspension Woofer: 25 cm (approx. 10 inches), cone type Tweeter: 6 cm (2 3/8 inches), cone type Super Tweeter: 5 cm (2 inches), cone type
Impedance:	8 ohms
Crossover Frequencies:	2.5 kHz 12 kHz
Reproducible Frequency Range:	40 – 20,000 Hz (Made in Japan) 35 – 20,000 Hz (Assembled in West Germany)
Output Sound Pressure:	91 dB/W/m
Power Handling Capability:	Nominal 70 watts (DIN 45,500)
Tweeter Level Control:	–16 dB – +4 dB continuously adjustable
Inputs:	Full range, push-post terminals
Dimensions:	Approx. 315 (w) x 580 (h) x 290 (d) mm (12 1/2 x 22 3/4 x 11 3/8 inches)
Weight (net):	Approx. 15 kg (33 lb)

SONY®

SERVICE MANUAL

SECTION 1
REPLACEMENT

1-1. SPEAKER REPLACEMENT

1. Pull the front grille out.
2. Remove the screws of each speaker.
3. Replace the speaker.

Note: Confirm the polarity of the terminal on the replacement speaker.

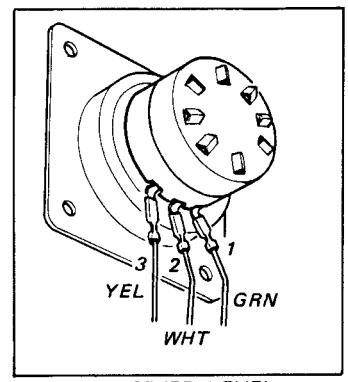
1-2. INPUT TERMINAL REPLACEMENT

1. Remove the woofer speaker.
2. Take the acoustic absorber out.
3. Replace the input terminal and the components.
4. Secure the coils and capacitors with the rubber-based adhesive tape.

1-3. ATTENUATOR (TWEETER LEVEL) REPLACEMENT

1. Pull the front grille out.
2. Remove four self-tapping screws (⊕ RK 3 x 14).
3. Remove a knob and a nut.
4. Replace the attenuator.

Note: When resetting the attenuator (ATT), connect the lead wires shown below.



TWEETER LEVEL (ATT)

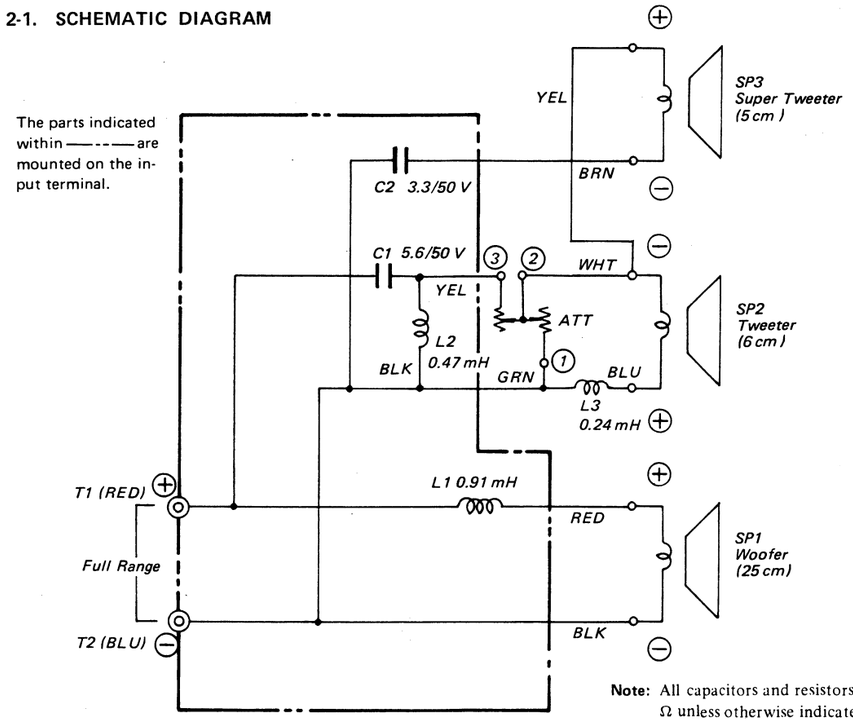
IDENTIFICATION OF FRONT GRILLE ASS'Y

See the specification label.

Front Grille Ass'y	X-4844-703-1	X-4844-703-2
Specification Label	SONY SPEAKER SYSTEM MODEL SS-3050 IMP 8Ω/POWER HANDLING CAPACITY: 70W (NOM) SERIAL NO. MADE IN JAPAN	SONY SPEAKER SYSTEM MODEL SS-3050 IMP 8Ω/POWER HANDLING CAPACITY: 70W (NOM) SERIAL NO. ASSEMBLED IN W. GERMANY

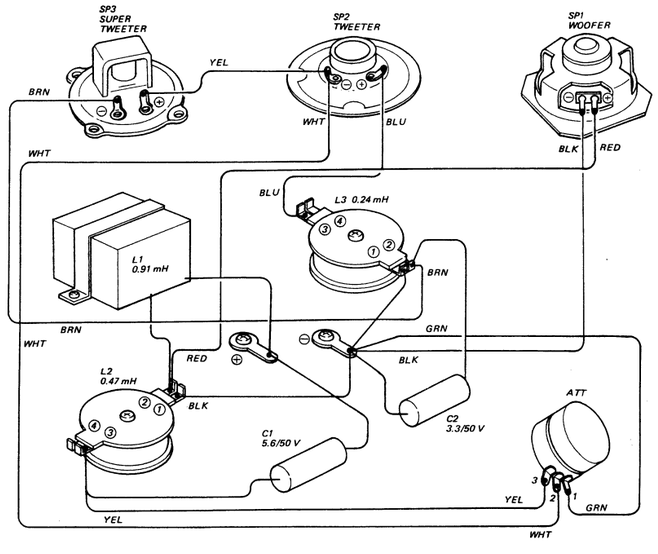
SECTION 2
DIAGRAMS

2-1. SCHEMATIC DIAGRAM



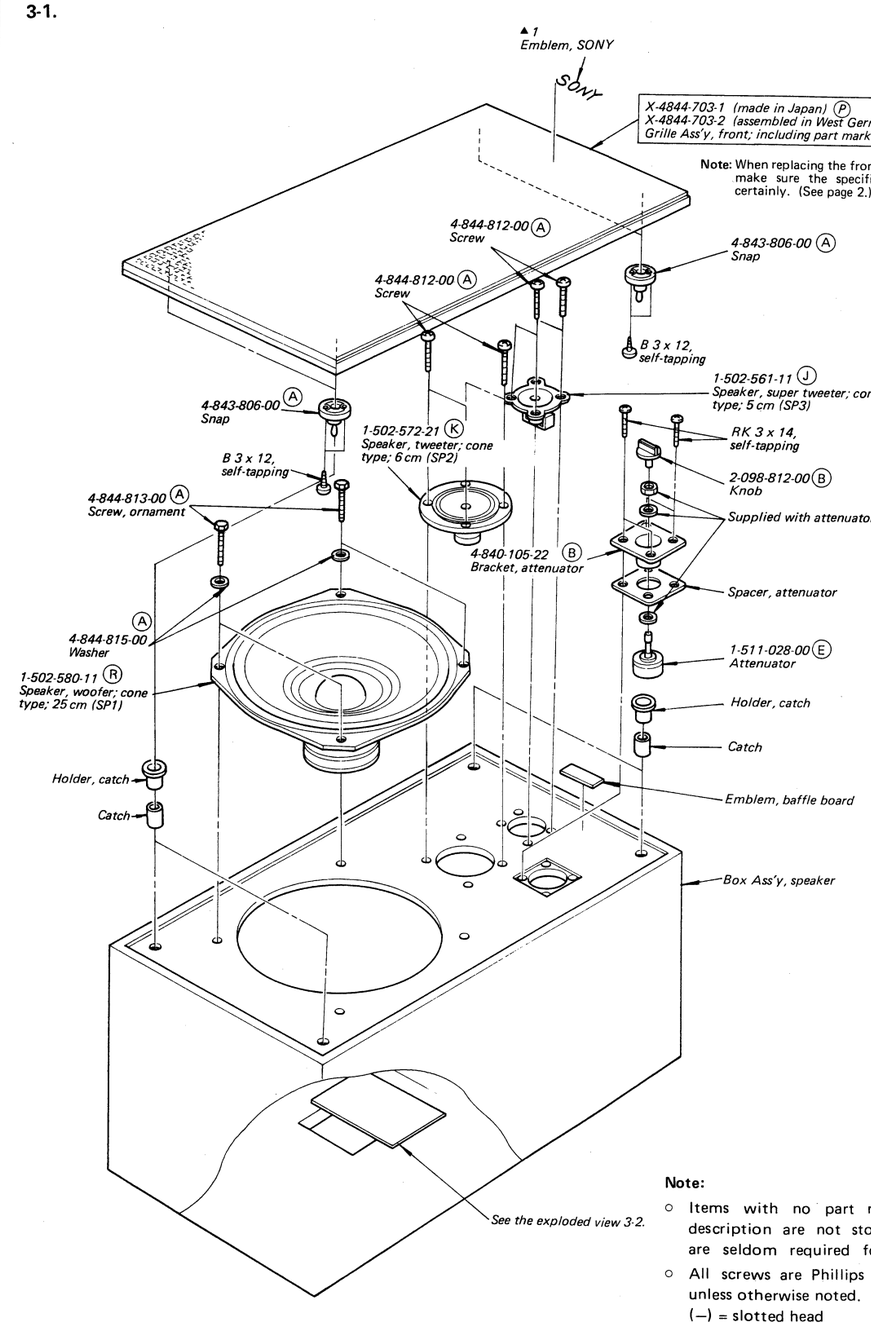
Note: All capacitors and resistors are in μF and Ω unless otherwise indicated.

2-2. WIRING DIAGRAM



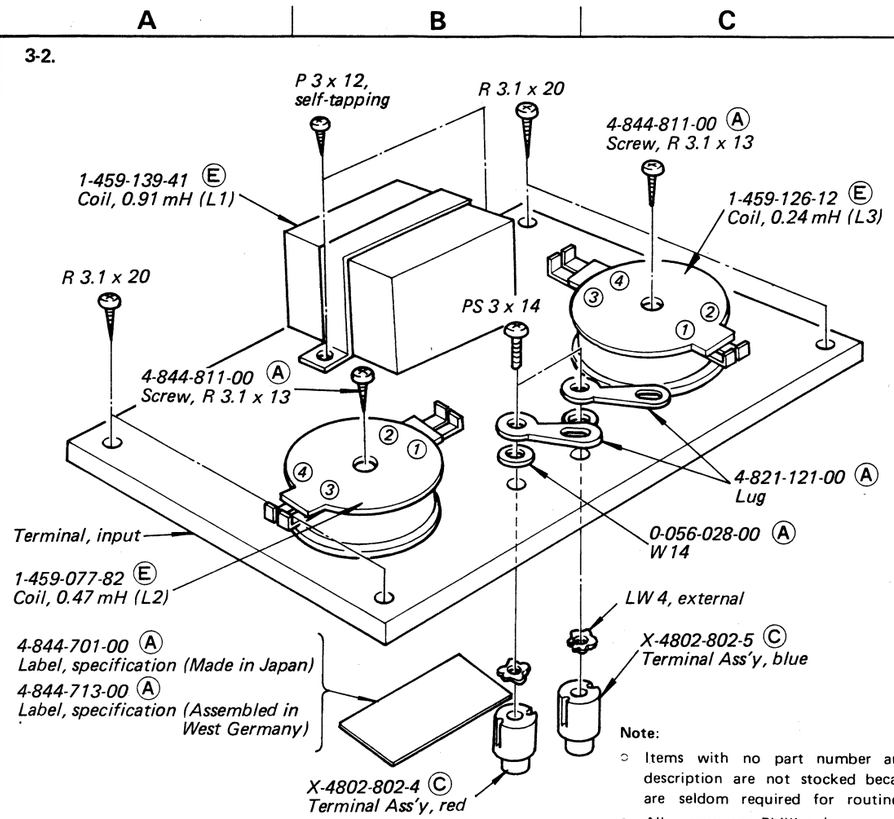
SECTION 3
EXPLODED VIEWS

3-1.



Note:

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head
- The circled letters ((A) to (Z)) are applicable for the European model only.



Note:

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head
- The circled letters (Ⓐ to Ⓩ) are applicable for the European model only.

SECTION 4
ELECTRICAL PARTS LIST

Note: The circled letters (Ⓐ to Ⓩ) are applicable for the European model only.

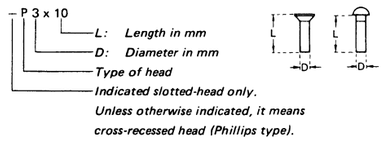
Ref. No.	*Part No.*	*Description*		
		CAPACITORS		
		All capacitors are in μF.		
C1	1-119-440-11 Ⓑ	5.6	50 V	electrolytic (non-polarized)
C2	1-119-438-11 Ⓑ	3.3	50 V	electrolytic (non-polarized)
		COILS		
L1	1-459-139-41 Ⓔ	0.91 mH		
L2	1-459-077-82 Ⓓ	0.47 mH		
L3	1-459-126-12 Ⓔ	0.24 mH		
		SPEAKERS		
SP1	1-502-580-11 Ⓡ	Woofer, cone type; 25 cm		
SP2	1-502-572-21 Ⓚ	Tweeter, cone type; 6 cm		
SP3	1-502-561-11 Ⓙ	Super Tweeter, cone type; 5 cm		
		MISCELLANEOUS		
ATT	1-511-028-00 Ⓔ	Attenuator		

ACCESSORIES

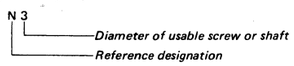
Part No.	*Description*
1-534-687-21	Ⓒ Cord, connection for speaker
3-780-867-11	Ⓑ Manual, instruction (Printed in Japan)
3-780-867-81	Ⓑ Manual, instruction (Printed in West Germany)

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
		SCREWS	
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
		SELF-TAPPING SCREWS	
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
		SET SCREWS	
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N		nut	
		WASHERS	
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E		retaining ring	
G		grip-type retaining ring	

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